

Dielectric Properties of Complexes of the Iodine Halogenides With Several Organic Compounds, by I. A. Sheka, 7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 1,
1956, pp ~~127-128~~
109-116.

Tech and Comm Tr

Sci - Chemistry

37,247

Aug 56 CTS/Dex

Study of the Adsorption of Ordinary and Heavy
Water on Microporous Glass by the Infrared
Adsorption Spectrum, by V. A. Nikitin, and
co-worker, 12 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 1,
1956, pp 117-126.

Tech and Comm Tr

Sci - Chemistry

37, 248

Aug 56 CTS/Dex

Thermal Dependence of the Diffusion Coefficient of
Several Substances in Glycerin, by V. A. Marinin,
5 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 1,
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Sci - Chemistry

37,249

Aug 56 CIS/Dex

CTI TT-62-26410 (RUSSIAN + FRENCH)

Spectrophotometric Study of the Equilibrium in
Aqueous Solutions Containing Ammonium Vanadate
and H₂O₂, by V. N. Tolmachev and co-worker, 6 pp.

RUSSIAN, Mono per, Zhur Fiz Khim, Vol XXX, No 1,
1956, pp 134-141.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CTS/Dex

New Method of Quantitative Study of Hydrogen Bonds,
by S. S. Batsanov, and co-workers, 12 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 1,
1956, pp 142-154.

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Sci - Chemistry

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Aug 56 CTS/Dex

Electronographic Study of the Structure of the
Molecule. III. Cadmium Halide, by P. A. Akishin,
~~and coworkers~~, 6 pp.

RUSSIAN, no par, Zhur Fiz Khim, Vol XXX, No 1,
1956, pp 155-160

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CTG/Dex

Complex Compounds of Polymethine Dyes With
Silver Ions, I. Formation of Silver Complexes
by Carbo- and Polycarbocyanines, by K. I.
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1⁴ pp.

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CIA/FDD XX-856

Sci - Chem

NLL M.2047
GB/131T-3199 123,289

Aug 60

USIB INTERNAL USE ONLY

Activation Energy of Radical Reactions, by A. P.
Purnalb, 4 pp. 1017

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1956, pp 172-176

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Sci - Chemistry

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Aug 56 CIS/Dex

S A R 3107

On the Relation of the Structure and the
Polymerization Ability of Substituted Styrenes,
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1956, pp 190-195.

A&E TR
Tech and Comm Tr

Sci - Chemistry

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Aug 56 CTS/Dex

Thermal Activation and Deactivation of Platinum
Black at the Decomposition of H₂O₂, by Zh. V.
Sirelnikov, and ~~Konstantinov~~ co-workers, 6 pp.

RUSSIAN, no pag., Zhur Fiz Khim, Vol. XXX, No 1,
1956, pp 196-201.

Tech and Comm Tr

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Sci - Chemistry

Aug 56 CTS/Dex

Effect of Surface-Active Agents on the Movement of
Drops in Fluids, by A. I. Fedosov, 11 pp.

RUSSIAN, per, Zhur Fiz Khim USSR, Vol XXX, No 1,
1956, pp 223-227.

SLA 59-15230

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Dec 59
Vol 2, No 4

103,098

The Structure of Liquids, I. A. The Results of Studying Monatomic Liquids, by O. Ya. Samoilov, 9 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956,
pp 241-250.

Tech and Comm Tr

Sci - Chemistry

Aug 56 CRS/Dex

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X-2296

The Absolute Reaction Rates in Flames (Combustion)
by A. I. Rozlova^{kiy}. 9 pp.

RUSSIAN, no par, Zhur Fiz & Khim, Vol XXX, No 2,
1956, pp 251-260. 23 E 1000

Tech and Comm Tr

Sci - Chemistry

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15H7-10

See also 2657/2070

TAL TR 4735

The Absorption of Butylene (Butene) in Sulfuric Acid,
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pp 261-268.

Tech and Comm Tr

Sci - Chemistry

Aug 56 CTS/Dex

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The Inner Tension in Electrolytic Precipitates. I.
Tension in Zinc Precipitation, by K. M. Gorbunov, ~~and~~
~~co-workers~~, 7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956,
pp 269-276.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CTS/Dex

Dolarigraphy of Fusion. I. Endpoint in Fused
Electrolytes, by N. G. Shovnyk, 8 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2,
1956, pp 277-285.

R T 435-1

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

50000

Surface Reaction. V. Sorption of Silver Atoms
With Ash-free Carbon and Carbon Coated with a
Film of Metallic Silver, 8 pp.

by L.R. Lepin, et al,

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1956, pp 286-294.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

The Chemical Theory of the Structure of Cinder, by
V. A. Koshelev, 9 pp.

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Aug 56 CIS/Dex

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pp 305-312.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIB/Dex

Photo-electro-chemical Study of the Oxidation of
Chromium, Nickel, and Chrom-nickel Steel in Alkali
Solutions, by B. I. B. Rabinovich, and co-workers.
7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956,
pp 313-320.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

Isotopic Exchange of Carbon Between Solid Carbonates
of Lithium, Sodium, Potassium, Barium Caseous
Carbon Dioxide, by V. A. Shushunov, and co-workers.
7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2,
1956, pp 321-328.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

Temperature Exchange of Fusions of Solid Ammonia at
High Pressures, by L. F. Kerealchagin, and co-worker,
9 pp.

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Sci - Chemistry

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Aug 56 CIB/Dex

Increasing the Adsorption of Organic Substances
from Aqueous Solutions by Shrinking the Pores of
Active Carbon, by A. V. Kiselev, and others, 5 pp.
et al

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pp 334-~~338~~ 339.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIB/Dex

V
Crystalline Structure of Molecular and Complex Compounds of Thallium, by Z. V. Zvonkova, 7 pp.

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Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

Kinetics of the Reaction of Carbon Dioxide With
Carbon and Isotopic Exchange, by V. V. A. Evropin,
and others, 17 pp.

RUSSIAN, no par, Zhur Fiz Khim, Vol XXX, No 2, 1956,
pp 348-365.

Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIE/Dex

Thermo-capillary Motion, by A. I. Fedosov, 7 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956
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Sci - Chemistry

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Aug 56 CIS/Dex

Electrode polarization in Silica-Fusions and the
Formation of Two-valence Silica, by O. A. Esim, and
others, 4 pp.
a + a/

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956
pp 374-378.

Tech and Comm Tr

Sci - Chemistry

37,270

AUG 56 CIS/Dex

Properties of Hexaborides of Alkali-and Rare Earth-metals, by G. V. Samsonov, and co-workers, 3 pp.
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RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956,
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Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

OTR 162-40 7/

Study of Complexing Chromatography With the Aid of
Tagged Atoms. II. The Physicochemical Character-
istics of Citrate and Oxalate Complexes of Iron (II)
and Cobalt (II) as Determined by Ion Exchange Methods,
by S. Yu. Elovich, N. N. Matorina.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 2, 1956,
pp 383-390.

Assoc Tech Sv RJ-510
\$8.35 (1.85)

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Sci - Physics
Apr 1957 CTS/dex

Determination of the Thermal Adsorption
Equation by Chromatography, by N. M.
Turkel'taub, et al.

RUSSIAN, per., Zhur Fiz Khim, Vol XXX, No 2,
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Assoc Tech Sv
Tr No RJ-509
\$7.85 (\$2.45)

Sci - Physics
Apr 1957 CTS/dex

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Deviation of the Infrared Adsorption-Spectrum at
Softening and Hardening of Crystalline and Amorph
Polymers, by G. S. Markova, ~~and co-workers~~, 5 pp.
at 47

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Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIS/Dex

The Mechanism of the Formation of Free Radicals in
High Frequency Discharge, by V. S. Rossikhin, and
co-authors, 3 pp.
27-a7

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Tech and Comm Tr

Sci - Chemistry

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Aug 56 CIB/Dex

Mecanisme de Formation de Quelques Radicaux dans la
Decharge a Haute Frequence, (Mechanism of Formation
of Certain Radicals in High-Frequency Discharges),
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RUSSIAN, per, Zhur Fiz Khim SSSR, Vol XXX,
1956, pp 453-456.

Reverse Trans
CEA Tr-R-1071

Sci
May 61

The Proportionality of the Thermo-Chemical Deviations From Additivity and Conjugation Energies, by Kh. S. Bagdasar'yan, 9 pp.

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SLA
HRC TR-808

Sci
Jun 60
Vol XXX, No 5

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Electron Paramagnetic Resonance in the Irradiated
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Pecherskaya. UNCLASSIFIED

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1960, pp 477.

Navy 2599/NRL 807

Sci - Physics
Aug 60

123,369

S-131/60

(RY-36:9)

Study of the Influence of Molecular Structure on the Velocity of Ionic and Atomic Reactions of Isotope Exchanges, by M. S. Bezman, V. B. Miller, Yu. M. Shapovalov, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, No 3, 1956, pp 492-499.

JPRS 2733

Sci - Chemistry

118,858

Jun 60

Kinetics of a Consecutive First-Order in a Flow System, by G. M. Panchenkov and V. S. Tret'yakova, 11 pp.

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SLA R-2145

Sci

Aug 58

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Polukarov, Yu. M. and Corbunova, K. M.
SOME PROBLEMS IN THE THEORY OF THE
ELECTRODEPOSITION OF ALLOYS. I. METHODS
OF CALCULATING THE SHIFT IN THE DISCHARGE
POTENTIAL OF IONS AT THE EXPENSE OF THE
DISPLACEMENT ENERGY DURING THE FORMATION
OF AN ALLOY. [1961] 7p. 30 refs.
Order from OTS or SLA \$1.10

61-20966

I. Polukarov, Yu. M.
II. Corbunova, K. M.
III. Title: Methods ...

Trans. of Zhur[nall Fiz[icheskoi] Khim[ii] (USSR)
1956, v. 30, no. 3, p. 515-521.
Another trans. is available from ATS \$13.45 as
ATS-76M44R [1960] 7p.

DESCRIPTORS: *Alloys, *Electrodeposition, Ions,
Motion.

The methods are discussed for calculating the shift in
the discharge potential of metallic ions taking place as
(Chemistry--Physical, TT, v. 7, no. 5) (over)

61-20966

ATS-76M44R

ATS-RJ-2704

Office of Technical Services

Gas Permeability and Glass Temperatures of Polymers,
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RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 3, 1956,
pp 532-536.

Assoc Tech Serv RJ-1449
" " " 1424R

Sci - Chem

Apr 59

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The Kinetics and Mechanism of the Sensitized Cracking
of Paraffinic Hydrocarbons, by A. D. Stepukhovich, 18 pp.

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SLA 59-10072

Sci - Chemistry
May 59
OTB V. I, No 8

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Pastovskii, V. G. and Petrovskii, Yu. V.
INVESTIGATION OF THE LIQUID-VAPOR EQUILIBRIUM IN THE OXYGEN-KRYPTON SYSTEM. [1962]
[7] p. 6 refs.

Order from OTS or SLA \$1.10 62-20153

Trans. of Zhur[nal] Fiz[icheskot] Khim[ici] (USSR) 1956,
v. 30 [no. 3] p. 589-592.

DESCRIPTORS: *Krypton, *Oxygen, *Chemical
equilibrium, Vapors, Liquids, *Liquefied gases,
Mixtures.

(Chemistry--Physical, TT, v. 9, no. 10)

62-20153

I. Pastovskii, V. G.
II. Petrovskii, Yu. V.

AEC BN L k 116

P911048367

Office of Technical Services

Methode of Comparative Computation of
Heat Effects. II, by M. K. Karapet'yants,
21 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956,
pp 593-607.

SLA R-2143

Sci

Aug 58

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Thermal Activation and Deactivation of Adsorbed
Platinum Catalysts, by Zh. V. Smiral'nikova, et al,
12 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 3,
1956, pp 639-645.

SLA Tr R-110

Sci - Chem
Apr 1957

Jan 1957
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Investigation of Corrosion of Metals Using Heavy Oxygen Isotope, by A. L. Brodskiy, A. S. Fomenko, I. M. Abramova.

RUSSIAN, mo per, Zhur Fiz Khim, Vol XXX, pp 676-684. ^{1956,}

Navy Tr 1547/NRL-639

Sci - Chemistry; Physics
Nov 57

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Welding of Fine Thermocouples by Short Current
Impulses, by A. G. Anikin. UNCLASSIFIED

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 3,
1956, pp 685-687.

Sci Mus Lib 58/0206

Sci - Phys
Sep 58

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Answer to G. K. Boreskov, by N. I. Kobozev.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 3, 1956,
pp 700-703. 6076130

ATS RJ-1111

Sci - Phys, Chem
Apr 60

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The Magnitude of the Surface and the Catalytic
Activity of Platinum Deposited on Silica Gel, by
G. K. Boreskov.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 3, 1956,
pp 704, 705/ 9076-34

ATS RJ-1110

Sci - Phys, Chem
Apr 60

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Fluctuations of Diffusion Flames Arising in the
Laminar Regime of Fuel Flow, by A. I. Malekov,
No 3,
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ASLIB-GB153

Sci

Aug 59
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The Theory of Degenerate Branching. Part I.
Kinetic Equations of Reactions With Degenerate
Branching, by M. S. Enikolopyan.

RUSSIAN, par, Zhur Fiz Khim, Vol XXX, No 4,
1956, pp 769-783.

MLL M. 4893

Sci - Phys

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Aug 62

Investigations of the Influence of the Solvent on the Reaction Rate of C_2H_5I I - Isotope Exchange at Pressures of up to 2500 kg/cm², by M. Gonikberg.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 4, 1956, pp 784-788.

CSIRO-339⁵

Sci

Aug 59

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The Oxidation of Methane by Oxygen Atom Resulting
From the Decomposition of Ozone, by N. A.
Kleimenov, I. N. Antonova, A. M. Markevich, 5 pp.

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, No 4,
pp 794-797.

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Russia Jct 5 - 3.2.14 P
CIA/FDD X-2446
ATB/RT - 719

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Sci - Chemistry
Jun 57

A Study of the Kinetics of the Initial Stage of
Methane Oxidation, Catalyzed by Nitric Oxide,
by L. V. Karmilova, N. S. Enikolopyan, A. B.
Nalbendyan, 14 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 4, 1956,
pp 798-~~800~~ 810. (23J14R)

Assoc Tech Sv 23J14R
DSIR LLN RTE 1638
SLA 54,447

Sci - Chemistry
Oct 57

ATS/RJ-718

The Mechanism of Decomposition of Methane, by
P. S. Shantarovich, B. V. Pavlov, 13 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956,
pp 811-820.

AEC Tr 2700

Sci - Chemistry
Jan 57 CTS

42,206

OTC-2) 63-14321

Kazanskii, V. B., Mardaleishvili, R. E. and others.
DETERMINATION DE LA CONSTANTE DE VITESSE
DE DISSOCIATION DE L'HYDROGENE À LA SUR-
FACE DU PALLADIUM D'APRES LES DONNÉES SUR
LA DIFFUSION À TRAVERS LE PALLADIUM
(Determination of the Dissociation Velocity Constant
of Hydrogen at a Palladium Surface from Data on
Diffusion Depth In Palladium) tr. by Mme. Bourrely.
27 Oct 59 [16]p. 5 refs. CEA Trans. no. R 204
(text in French).

Order from OTS or SLA \$1.60

61-23763

Trans. in French of Zhurnal Fizicheskoi Khimii
(USSR) 1956, v. 30, no. 4, p. 822-825.

DESCRIPTORS: *Palladium, *Hydrogen, *Diffusion,
Gas diffusion, *Dissociation.

(Chemistry--Physical, TT, v. 6, no. 6)

61-23763

I. Kazanskii, V. B.
II. Mardaleishvili, R. E.
III. CEA-tr-R204
IV. Commissariat à l'Energie
Atomique (France)

176678

Office of Technical Services

Kinetic Characterization of Hydroperoxides as
Intermediate Reaction Products of the Oxidation
of n-decane, by L. S. Vartanyan, Z. K. Maisus,
N. M. Emanuel, 5 pp.

RUSSIAN, par, Zhur Fiz Khim, Vol XXX, No 4,
1956, pp 856-861.

RTS RJ-837
Assoc Tech Serv 75J16R

Jul 58

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The Sequence of Product Formation in the
Oxidation of Decane, by L. S. Vartanyan,
E. K. Maizus, et al.
RUSSIAN, per, Zhurnal Fizicheskoi
Khimii, Vol XXX, No 4, 1956, pp 862-870.
SLA TT 64-3002239

May 67

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Study of the Glass Electrode by the Method of
Radicaactive Indicators. II. Behavior of the Glass
Electrode in the Alkaline Region, by N. A. Izmailov,
A. G. Vassiliev, 28 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956, pp 1500-
1512.

AEC CEA Tr R227

Reverse Trans Russian to French
Feb 59

Polukarov, Yu. M. and Gorbunova, K. M.
SOME PROBLEMS IN THE THEORY OF THE
ELECTRODEPOSITION OF ALLOYS. II. AN IN-
VESTIGATION OF THE SHIFT IN THE DISCHARGE
POTENTIAL OF IONS DURING THE FORMATION
OF AN ALLOY. [1961] 7p. 8 refs.

Order from OTS or SLA \$1.10

61-20967

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR)
1956, v. 30, no. 4, p. 871-877.
Another trans. is available from ATS \$13.65 as
ATS-77M44R [1960] 7p.

DESCRIPTORS: *Alloys, *Electrodeposition, Ions,
Motion.

It was established that the ennoblement (becoming
more positive) of the deposition potential (ΔE_{alloy})
of a metal during its entry into the alloy coincides
(Chemistry-Physical, TT, v. 7, no. 5) (over)

61-20967

I. Polukarov, Yu. M.
II. Gorbunova, K. M.
III. Title: Investigation. . .

HTG 77M44R
ATS-RJ-2705

Office of Technical Services

Polukarov, Yu. M. and Gorbunova, K. M.
SOME PROBLEMS IN THE THEORY OF THE ELECTRODEPOSITION OF ALLOYS. III. CONDITIONS
FOR THE EQUALIZATION OF POTENTIALS OF METAL SEPARATION AT THE EXPENSE OF ENERGY LIBERATED DURING THE FORMATION OF AN ALLOY. [1961] 4p. 2 refs.
Order from OTS or SLA \$1.10

61-20968

Trans. of Zhur[nal] Fiz[icheskoi] Khim[ii] (USSR)
1956, v. 30, no. 4, p. 878-881.
Another trans. is available from ATS \$8.00 as
ATS-78M44R [1960] 4p.

DESCRIPTORS: *Alloys, *Electrodeposition, Metals, Separation, Energy, Metallurgical analysis.

The problem of the relationship between the magnitudes of the shift in the ion discharge potential of (Chemistry-Physical, TT, v. 7, no. .) (over)

61-20968

I. Polukarov, Yu. M.
II. Gorbunova, K. M
III. Title: Conditions . . .

ATS-78M44R
ATS-RJ-2706

Office of Technical Services

Inhibition of Diffusion of Hydrogen Into Iron and
Steel by Surface Deposits of Certain Metals in
Electrolytic Pickling, by L. I. Freiman, V. A.
Titev.

RUSSIAN, per. Zhur Fiz Khim, Vol XXX, 1956, No 4,
pp 832-838.

Henry Bratcher T-4089
\$7.75
AEC Tr 2885
SLA R-1975

Sci - Chem

Jun 58

66,124

A Gold Calorimeter with a Sensitivity of 0.00005°
for Studying the Thermochemistry of Solutions. The
Heat Capacity of Cesium Iodide Solutions to 0.03
Per Cent, by A. F. Kapustinakiy, I. I. Lipilina and
O. Y. Samoilov, 7 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956, pp 896.
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SLA R-2239

Sci

Aug 58

72,174

Polarisation in the Electrodeposition of
Nickel from Nickel Chloride Solutions in
Water-Alcohol Mixtures, by S. V. Gorbachey,
Y. N. Yurkevich.
RUSSIAN, per, Zh. Fiz. Khim., Vol 30, No 4,
1956, pp 922-927.
NLL Ref: 9022.4 (68/100)

Sci-Phys
Jan 69

372,601

Kinetics and Mechanism of Hydrocarbon Decomposition. I. Alkoxethane Sensitized Cracking of Ethane, by A. D. Stepukhovich, Z. G. Kaplan.

RUSIAN, par, Zhur Fis Khim, Vol XXX, No 4, 1956,
pp 928-933.

Natl Res Council, Canada
TP No 750

Sci - Chem

Apr 60

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The Preparation of Fused Tantalum Carbide, by
V. I. Smirnova, B. F. Ormont, 5 pp.

RUSIAN, per, Zhur Fiz Khim, Vol XXVI, 1956,
pp 958-960.

AEC Tr 2965
SLA R-1749

Sci
Aug 58

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Storage of Light Energy by Photochemical Reactions
of Chlorophyll and its Analogs, by A. A. Krasnovskii,
26 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, 1956,
pp 968-985.

SLA Tr R-1370

Sci

Jun 58

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Mechanism of Sensitization of the Internal Photo-electronic Effect of Silver and Thallium Iodide Salts With Organic Dyes, by I. A. Akimov, 18 pp.

RUSSIAN, per, Zhur Fiz Khim, Vol XXX, No 5, 1956,
pp 1007-1018. CIA 1641-19

CIA/FDD XX-511 CSIRO
NOT RELEASABLE TO FOREIGN NATIONALS

Sci - Physics SLP R-4237
Oct 58

IAC INTERNAL USE ONLY 74, 058

Surface Chemical Combination of Silica With Methanol
and Its Photodissociation, by L. N. Kurbatov, 9 ppl
UNCLASSIFIED

RUSSIAN, no per, Zhur Fiz Khim, Vol XXX, № 5, MOSCOW,
May 1956, pp 1062-1066.

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*Nitrides, *Borides. Oxidation, Temperature, Hard-
ness, *Oxides, Chemical analysis, X-ray diffraction
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DESCRIPTORS: *Balances, *Reaction kinetics,
Measurement, Electrochemistry, Solids.

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